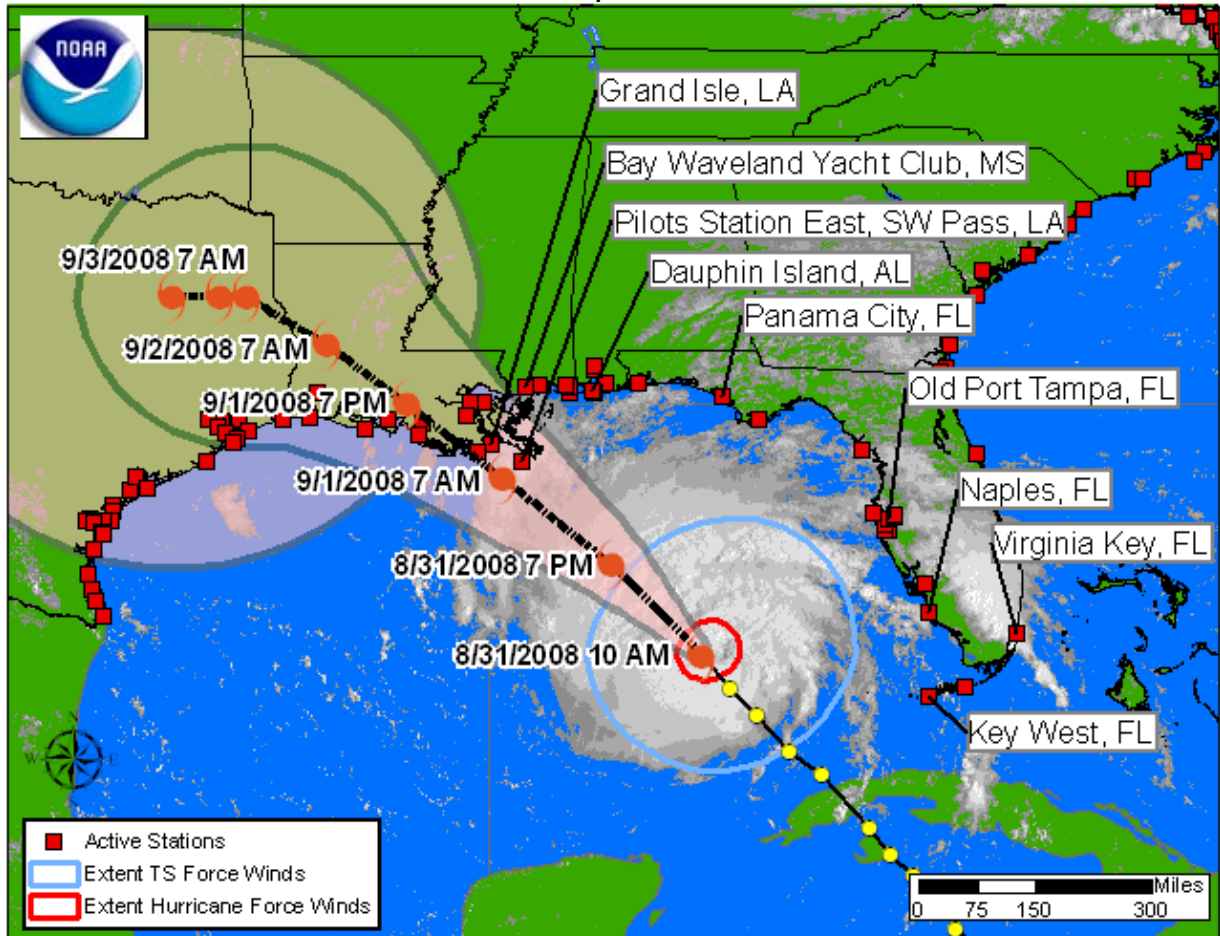




Hurricane GUSTAV QuickLook
Posted: 11:00 CDT 08/31/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/31/2008 11:00 CDT, water levels along the Florida Keys and southern Florida are still elevated and are approximately 0.8 to 1.0 feet above predicted. Water levels from the Florida panhandle to Louisiana are beginning to rise above predicted. However, water levels at Old Port Tampa, FL and Grand Isle, LA remain at predicted. Winds are increasing along the Gulf Coast. Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tide is 1.86 ft (0.57 m) at 08/31/2008 23:21 EDT.

Virginia Key, FL: Next predicted high tide is 2.60 ft (0.79 m) at 08/31/2008 22:18 EDT.

Naples, FL: Next predicted high tide is 3.40 ft (1.04 m) at 08/31/2008 13:11 EDT.

Old Port Tampa, FL: Next predicted high tide is 2.88 ft (0.88 m) at 08/31/2008 15:39 EDT.

Panama City, FL: Next predicted high tide is 1.18 ft (0.36 m) at 09/01/2008 13:00 CDT.

Dauphin Island, AL: Next predicted high tide is 0.93 ft (0.28 m) at 09/01/2008 13:18 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tide is 1.09 ft (0.33 m) at 09/01/2008 03:24 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tide is 0.70 ft (0.21 m) at 08/31/2008 18:43 CDT.

Grand Isle, LA: Next predicted high tide is 0.76 ft (0.23 m) at 09/01/2008 01:39 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: CM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 28

1000 AM CDT SUN AUG 31 2008

...GUSTAV CONTINUES NORTHWESTWARD OVER THE CENTRAL GULF OF MEXICO WITH LITTLE CHANGE IN STRENGTH...

A HURRICANE WARNING REMAINS IN EFFECT FOR THE NORTHERN GULF COAST FROM CAMERON LOUISIANA EASTWARD TO THE ALABAMA-FLORIDA BORDER INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING REMAINS IN EFFECT FROM EAST OF THE ALABAMA-FLORIDA BORDER TO THE OCHLOCKONEE RIVER AND FROM WEST OF CAMERON LOUISIANA TO JUST EAST OF HIGH ISLAND TEXAS. A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA WITHIN THE NEXT 24 HOURS.

A HURRICANE WATCH REMAINS IN EFFECT FROM WEST OF CAMERON LOUISIANA TO JUST EAST OF HIGH ISLAND TEXAS. A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE LOWER FLORIDA KEYS WEST OF THE SEVEN MILE BRIDGE TO THE DRY TORTUGAS.

AT 1000 AM CDT THE CENTER OF HURRICANE GUSTAV WAS LOCATED NEAR LATITUDE 25.3 NORTH, LONGITUDE 86.0 WEST OR ABOUT 325 MILES SOUTHEAST OF THE MOUTH OF THE MISSISSIPPI RIVER.. THIS GENERAL MOTION IS EXPECTED TO CONTINUE WITH A DECREASE IN FORWARD SPEED DURING THE NEXT COUPLE OF DAYS. ON FORECAST TRACK GUSTAV SHOULD MAKE LANDFALL ON THE NORTHERN GULF COAST ON MONDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 120 MPH WITH HIGHER GUSTS. GUSTAV IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME RE-INTENSIFICATION IS FORECAST DURING THE NEXT 12 TO 24 HOURS AND GUSTAV COULD REGAIN CATEGORY FOUR STRENGTH LATER TODAY OR TONIGHT. FLUCTUATIONS IN STRENGTH ARE LIKELY THEREAFTER BUT GUSTAV IS FORECAST TO REMAIN A MAJOR HURRICANE UNTIL LANDFALL.

GUSTAV IS A LARGE TROPICAL CYCLONE. HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 50 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES. NOAA BUOY 42003 RECENTLY REPORTED 8-MINUTE AVERAGE WINDS OF 54 MPH WITH A GUST TO 67 MPH.

THE MINIMUM CENTRAL PRESSURE JUST REPORTED BY A NOAA HURRICANE HUNTER AIRCRAFT IS 962 MB.

AN EXTREMELY DANGEROUS STORM SURGE OF 12 TO 16 FEET ABOVE NORMAL TIDAL LEVELS IS EXPECTED NEAR AND TO THE EAST OF WHERE THE CENTER OF GUSTAV CROSSES THE NORTHERN GULF COAST. A STORM SURGE OF 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IS POSSIBLE IN THE DRY TORTUGAS AS GUSTAV PASSES TO ITS WEST.

GUSTAV IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTION OF LOUISIANA, SOUTHERN MISSISSIPPI AND SOUTHERN ARKANSAS WITH ISOLATED MAXIMUM AMOUNTS OF UP TO 20 INCHES POSSIBLE THROUGH WEDNESDAY MORNING. ADDITIONAL RAINFALL AMOUNTS OF ABOUT AN INCH ARE POSSIBLE OVER FLORIDA KEYS AND SOUTH FLORIDA.

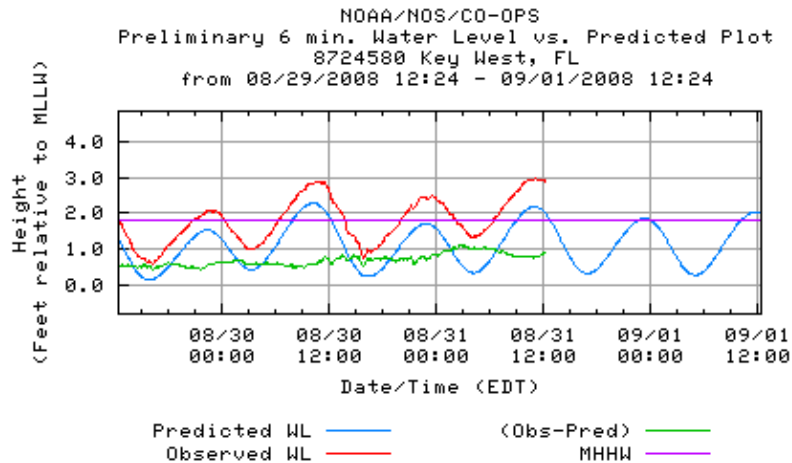
ISOLATED TORNADOES ARE POSSIBLE OVER THE CENTRAL GULF COAST LATER TODAY AND TONIGHT.

FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Virginia Key - Water Level](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Air/Water Temp](#), [Dauphin Island - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Air/Water Temp](#), [Bay Waveland Yacht Club - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Air/Water Temp](#), [Grand Isle - Barometric](#).

Key West, FL - Station Map [Return to List](#)

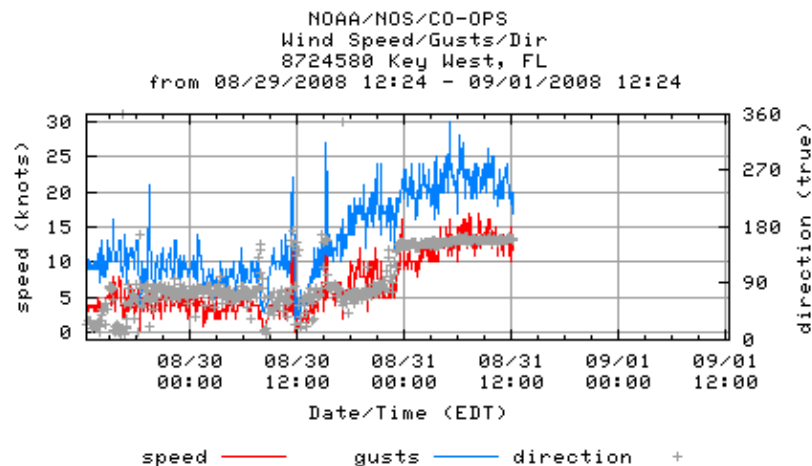


Last Observed Sample: 08/31/2008 12:12 (EDT)

Relative to **MLLW**: **Observed: 2.91 ft. Predicted: 2.01 ft. Residual: 0.90 ft.**

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

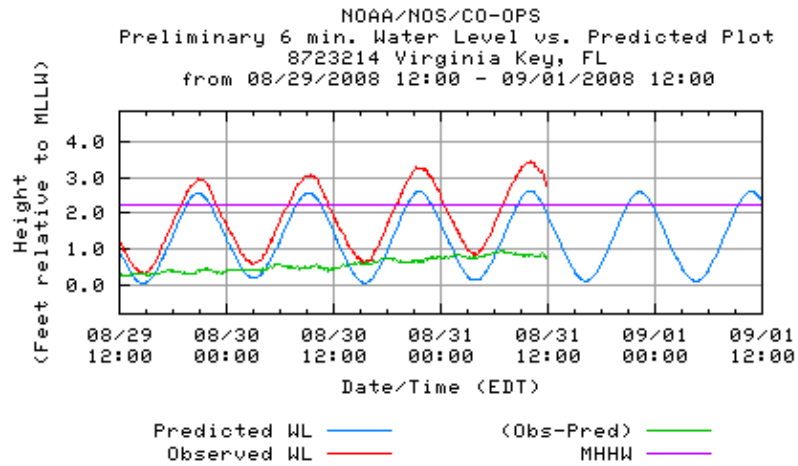
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 12:12 (EDT)

Wind Speed: 14 knots Gusts: 20 knots Direction: 162° T

Virginia Key, FL - Station Map [Return to List](#)

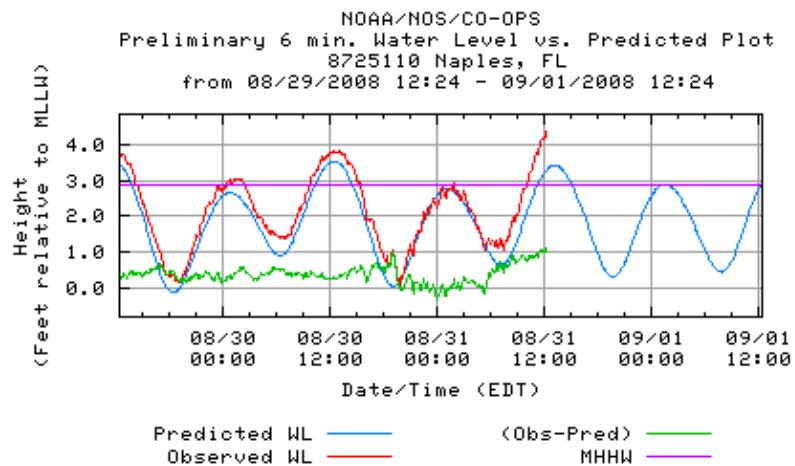


Last Observed Sample: 08/31/2008 11:48 (EDT)

Relative to **MLLW**: **Observed: 2.79 ft. Predicted: 2.05 ft. Residual: 0.74 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

Naples, FL - Station Map [Return to List](#)

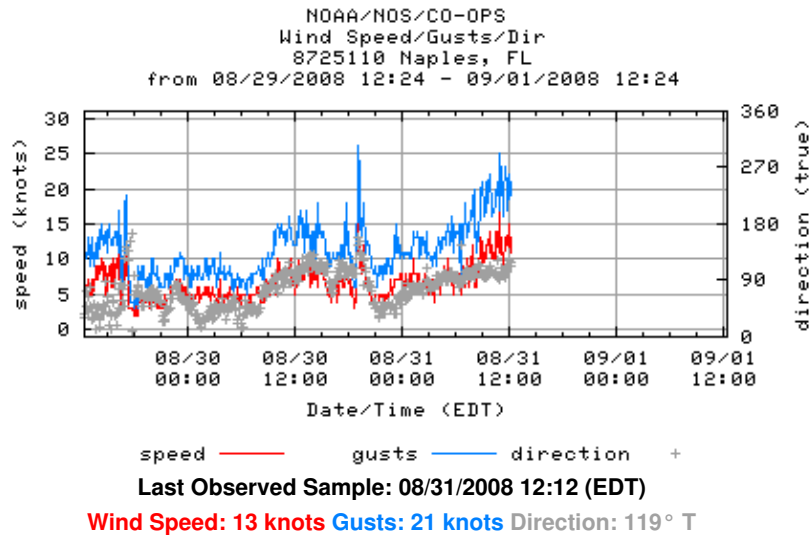


Last Observed Sample: 08/31/2008 12:12 (EDT)

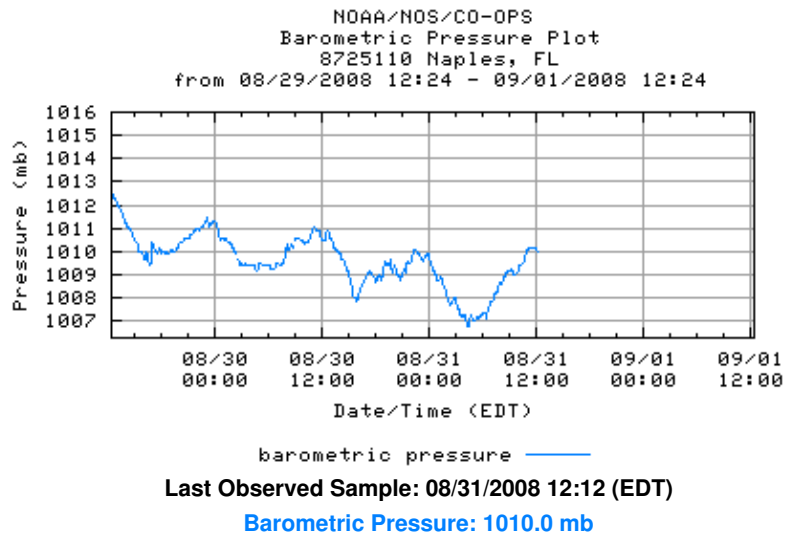
Relative to **MLLW**: **Observed: 4.37 ft. Predicted: 3.28 ft. Residual: 1.09 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

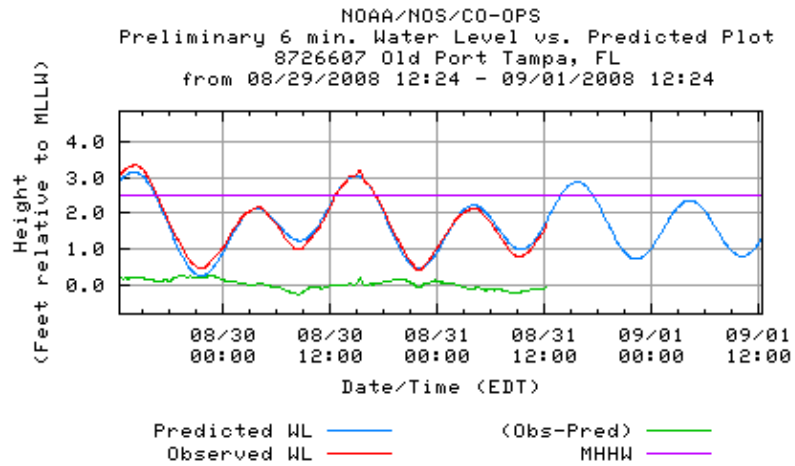
Naples, FL - Station Map [Return to List](#)



Naples, FL - Station Map [Return to List](#)



Old Port Tampa, FL - Station Map [Return to List](#)

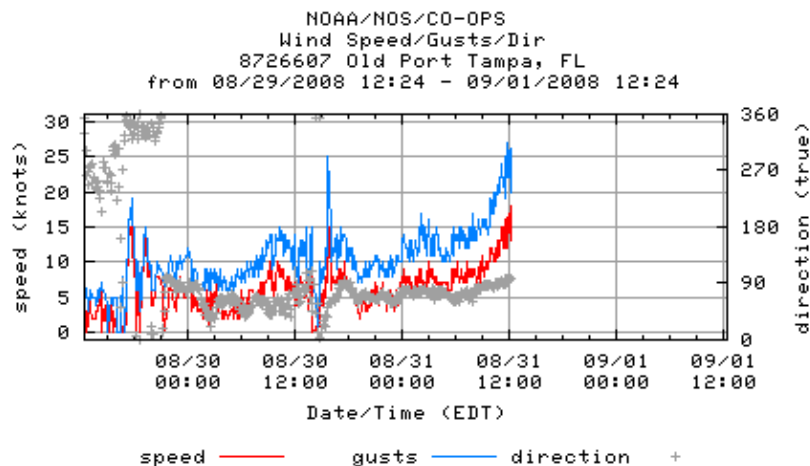


Last Observed Sample: 08/31/2008 12:12 (EDT)

Relative to **MLLW**: **Observed: 1.68 ft. Predicted: 1.77 ft. Residual: -0.09 ft.**

Historical Maximum Water Level: 10/08/1996, 3.56 ft. above **MHHW**

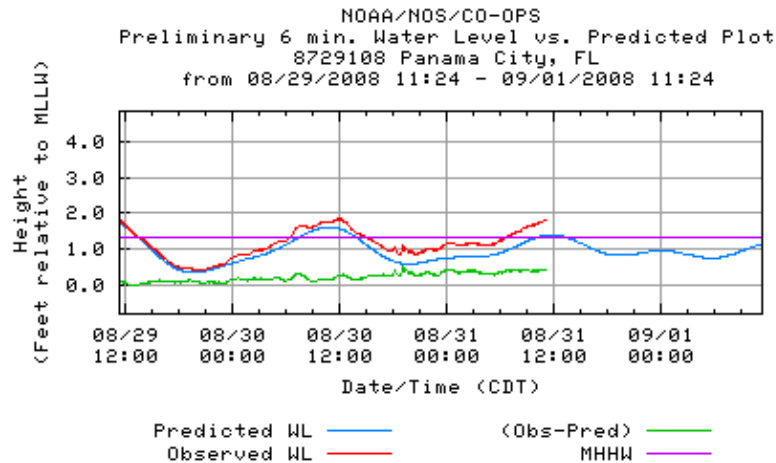
Old Port Tampa, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 12:12 (EDT)

Wind Speed: 18 knots Gusts: 26 knots Direction: 097° T

Panama City, FL - Station Map [Return to List](#)

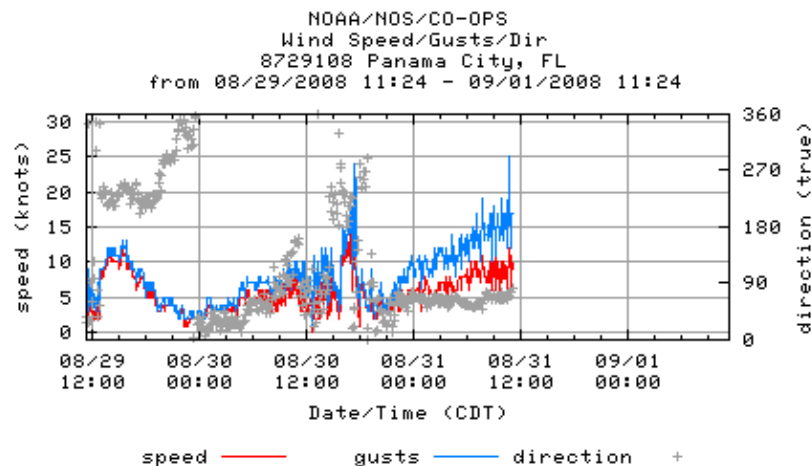


Last Observed Sample: 08/31/2008 11:06 (CDT)

Relative to **MLLW**: **Observed: 1.80 ft. Predicted: 1.38 ft. Residual: 0.42 ft.**

Historical Maximum Water Level: 10/04/1995, 5.72 ft. above **MHHW**

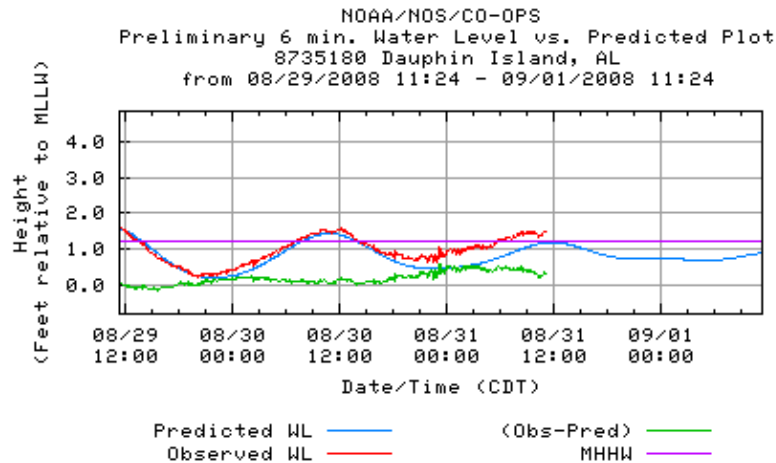
Panama City, FL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 11:06 (CDT)

Wind Speed: 9 knots Gusts: 17 knots Direction: 081° T

Dauphin Island, AL - Station Map [Return to List](#)

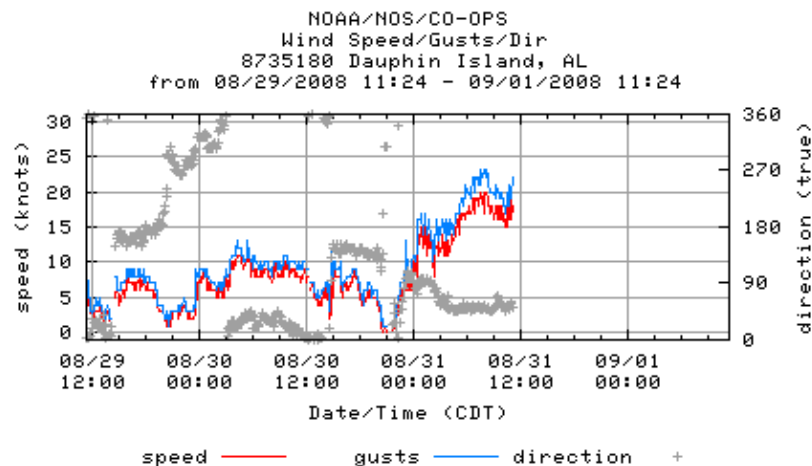


Last Observed Sample: 08/31/2008 11:06 (CDT)

Relative to **MLLW**: **Observed: 1.49 ft. Predicted: 1.17 ft. Residual: 0.32 ft.**

Historical Maximum Water Level: 09/02/1985, 3.36 ft. above **MHHW**

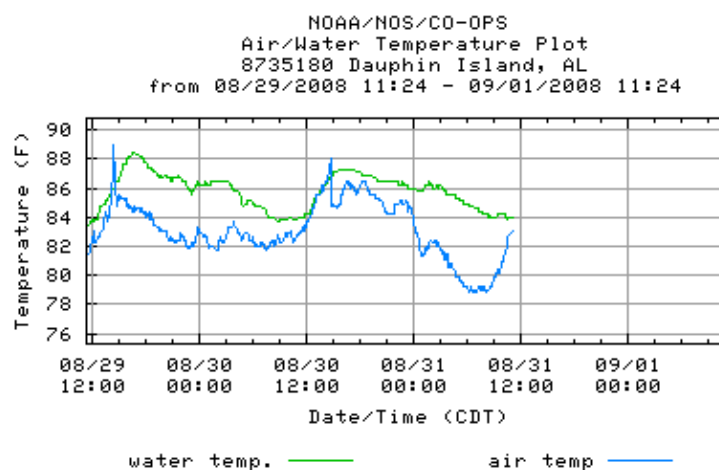
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 11:06 (CDT)

Wind Speed: 18 knots Gusts: 22 knots Direction: 053° T

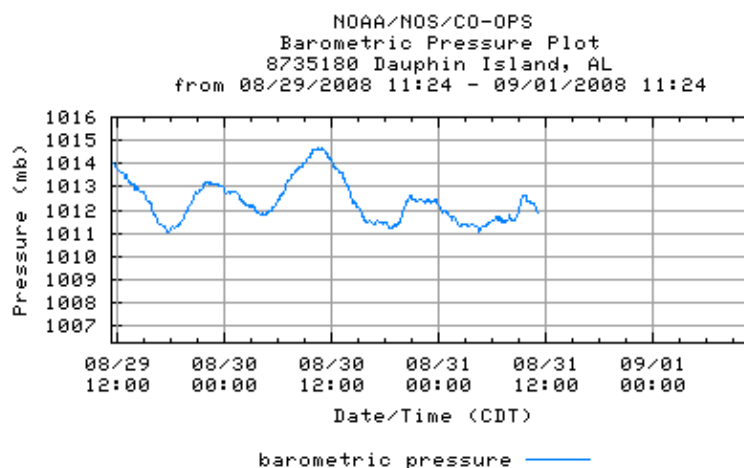
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 11:06 (CDT)

Water Temperature: 84.0° F Air Temperature: 83.1° F

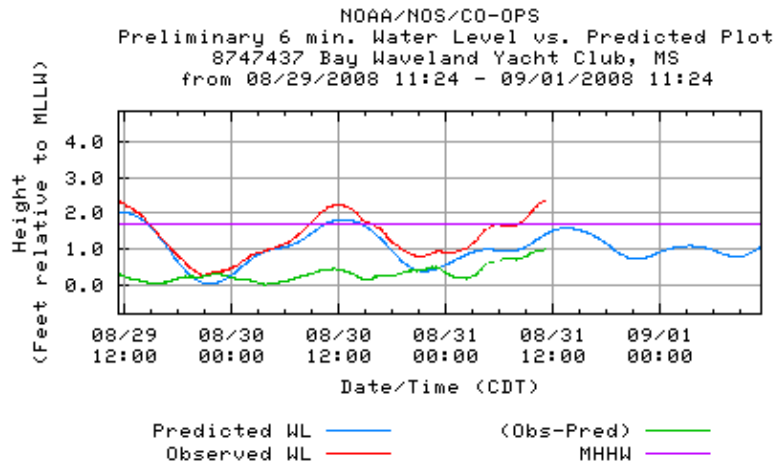
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 11:06 (CDT)

Barometric Pressure: 1011.9 mb

Bay Waveland Yacht Club, MS - Station Map [Return to List](#)

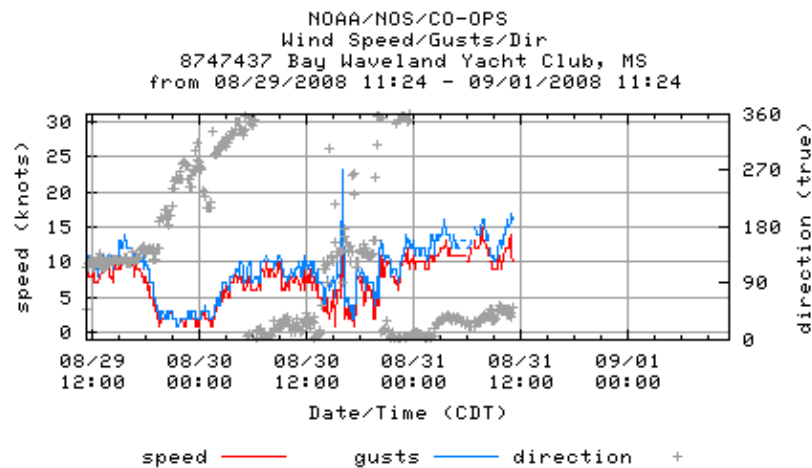


Last Observed Sample: 08/31/2008 11:06 (CDT)

Relative to **MLLW**: **Observed: 2.37 ft.** **Predicted: 1.39 ft.** **Residual: 0.98 ft.**

Historical Maximum Water Level: 10/28/1985, 5.05 ft. above **MHHW**

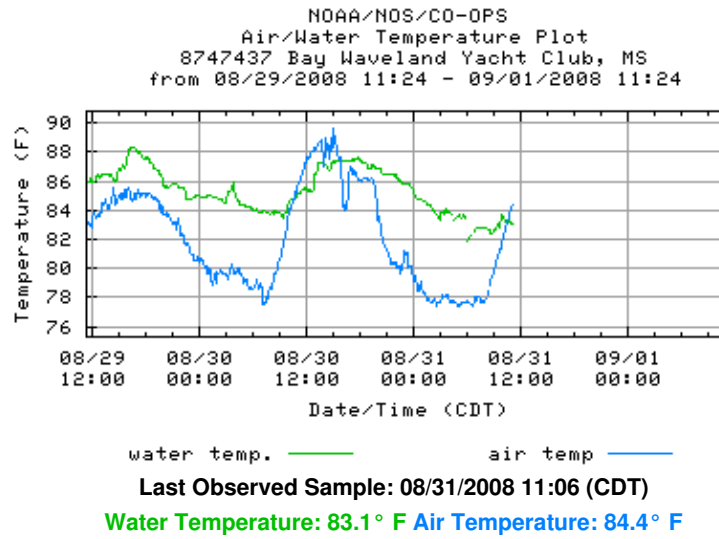
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



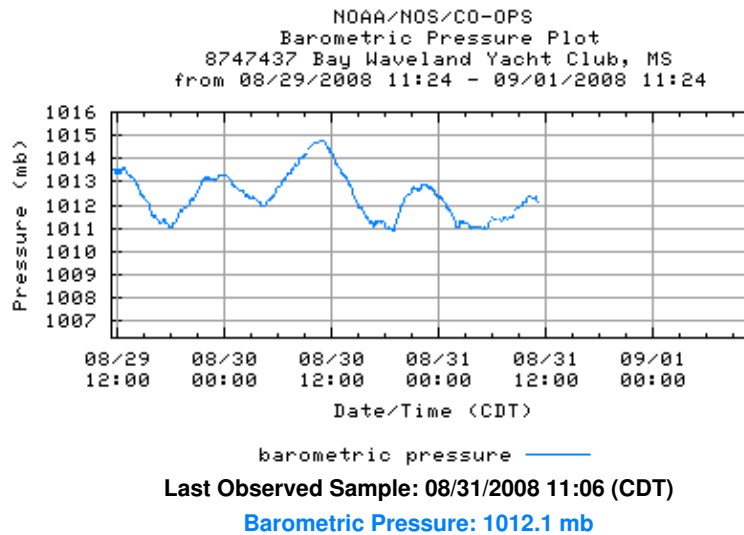
Last Observed Sample: 08/31/2008 11:06 (CDT)

Wind Speed: 10 knots **Gusts: 16 knots** **Direction: 052° T**

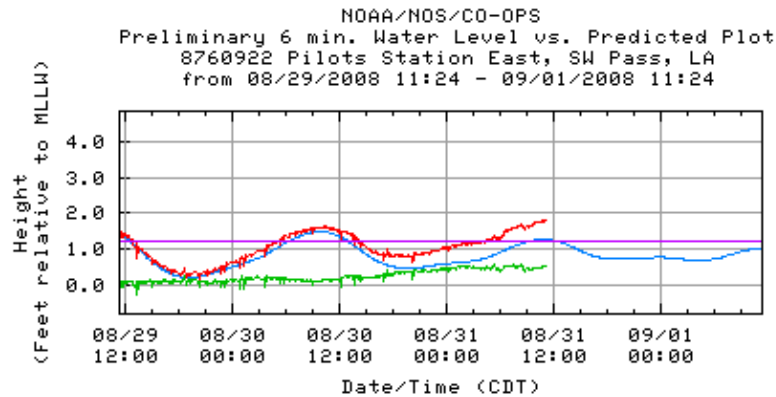
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Pilots Station East, SW Pass, LA - Station Map [Return to List](#)



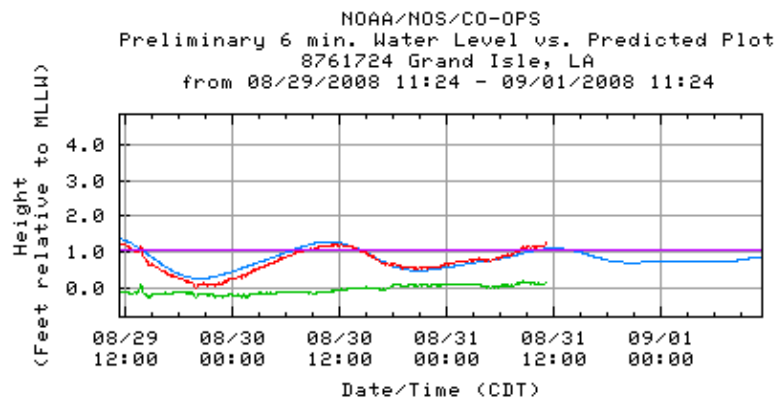
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/31/2008 11:12 (CDT)

Relative to **MLLW**: **Observed: 1.79 ft. Predicted: 1.27 ft. Residual: 0.52 ft.**

Historical Maximum Water Level: n/a

Grand Isle, LA - Station Map [Return to List](#)



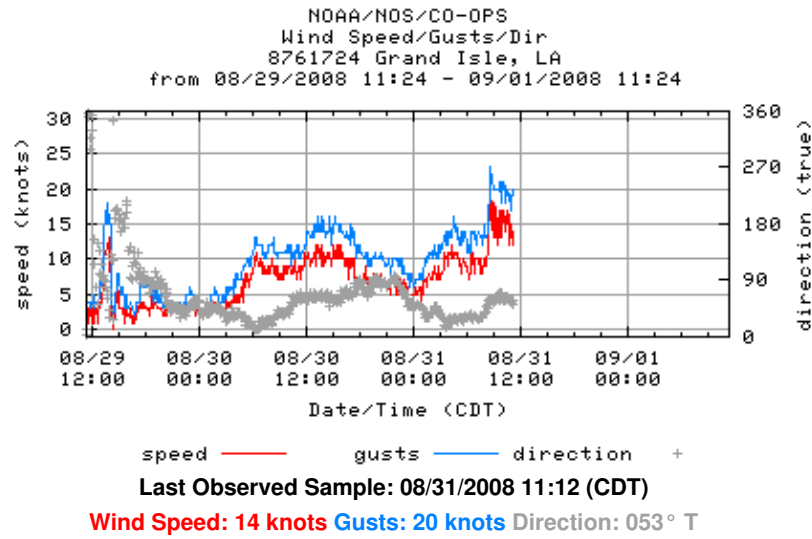
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 08/31/2008 11:12 (CDT)

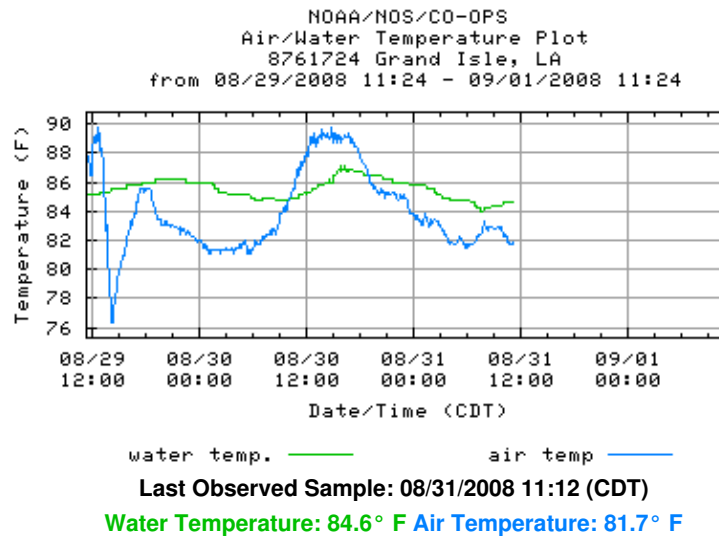
Relative to **MLLW**: **Observed: 1.25 ft. Predicted: 1.09 ft. Residual: 0.16 ft.**

Historical Maximum Water Level: n/a

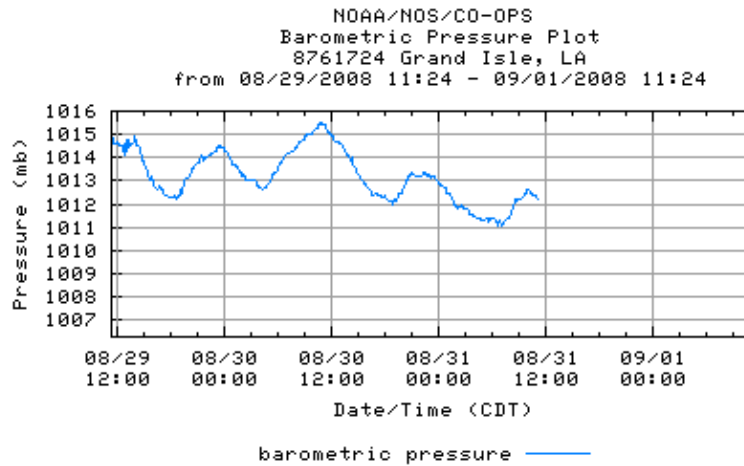
Grand Isle, LA - Station Map [Return to List](#)



Grand Isle, LA - Station Map [Return to List](#)



Grand Isle, LA - Station Map [Return to List](#)



Last Observed Sample: 08/31/2008 11:12 (CDT)

Barometric Pressure: 1012.2 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce